Table of Contents

Volume 56, 1958

January

		Page
George A. Garratt, Henry J. Malsberger Elected SAF President, Vice President		3
Forestry's Role in FAO: A Report on the Ninth Conference	*Henry Clepper*	6
Sanitation-Salvage Controls Bark Beetles in Southern California Recreation Area	*Ralph C. Hall*	9
Blister Rust Control Aided by the Use of Chemicals for Killing Ribes	*H. R. Offord, Clarence R. Quick,* and *Virgil D. Moss*	12
Wound Healing and Defects Following Northern Hardwood Pruning	*Darroll D. Skilling*	19
Evaluation of Several Organic Mulching Materials on a Sandy Loam Forest Nursery Soil	*Emmanuel T. Van Nierop* and *Donald P. White*	23
Salt-Water Storm Damage to Loblolly Pine Forests	*S. Little, J. J. Mohr,* and *L. L. Spicer*	27
Response of Planted Loblolly Pines to Reduction of Competition	*E. R. Ferguson*	29
Effect of Season of Treatment on Girdling and Chemical Control of Oak and Sweetgum	*R. D. Shipman*	33

February

Mergers in the Forest Products Industries	*David S. Dealey*	99
Forest Fertilizing in Britain	*L. Leyton*	104
Sequential Sampling in Reproduction Surveys	*J. H. G. Smith* and *J. W. Ker*	107
A Dwarf Form of Eastern White Pine (Pinus strobus L.)	*Henry H. Chisman* and *Nicholas Lylo*	110
Some Mensurational Aspects of the Level-of-Growing-Stock Problem in Even-Aged Stands	*George R. Staebler*	112
Some Effects of Stand Density and Deer Browsing on Reproduction in an Adirondack Hardwood Stand	*Robert O. Curtis* and *F. M. Rushmore*	116
Cone and Seed Size of South Florida Slash Pine and Their Effects on Seedling Size and Survival	*O. Gordon Langdon*	122
A Preliminary Report on Field Grafting	*James T. Greene* and *M. Reines*	127
Statistics from Schools of Forestry for 1957: Degrees Granted and Enrollments	*Gordon D. Marckworth*	129
Response of Six Conifers in North Mississippi Underplantings	*Hamlin L. Williston* and *Bernard J. Huckenpahler*	135

March

The Trend of Lumber Prices	*Joseph Zaremba*	179
A Test of Group Selection in Idaho Ponderosa Pine	*James D. Curtis* and *Alvin K. Wilson*	182
Control of the Turpentine Beetle in Naval Stores Stands by Spraying Attacked Trees with Benzene Hexachloride	*R. H. Smith*	190
Solium Arsenite in Spaced Ax Cuts: An Effective Stand-Improvement Technique	*Francis M. Rushmore*	195
Observation Limits for Aerial Sketch-Mapping Southern Pine Beetle Damage in the Southern Appalachians	*R. C. Aldrich, R. C. Heller,* and *W. F. Bailey*	200
Some Effects of Thinning a Ponderosa Pine Thicket with a Prescribed Fire	*William G. Morris* and *Edwin L. Mowat*	203
Construction of Cubic-Foot Volume Tables for Red Oak in Pennsylvania	*Thomas W. Beers* and *Samuel F. Gingrich*	210
Effect of Soil Amendments on Growth of Shortleaf Pine	*Elmer R. Roth* and *Thomas C. Evans*	215

April

John Sutter, Lumberman	*C. Raymond Clar*	259
Longleaf Pine Seed Dispersal in South Alabama	*William D. Boyer*	265

Table of Contents

Volume 56, 1958

January

		Page
George A. Garratt, Henry J. Malsberger Elected SAF President, Vice President		3
Forestry's Role in FAO: A Report on the Ninth Conference	*Henry Clepper*	6
Sanitation-Salvage Controls Bark Beetles in Southern California Recreation Area	*Ralph C. Hall*	9
Blister Rust Control Aided by the Use of Chemicals for Killing Ribes	*H. R. Offord, Clarence R. Quick,* and *Virgil D. Moss*	12
Wound Healing and Defects Following Northern Hardwood Pruning	*Darroll D. Skilling*	19
Evaluation of Several Organic Mulching Materials on a Sandy Loam Forest Nursery Soil	*Emmanuel T. Van Nierop* and *Donald P. White*	23
Salt-Water Storm Damage to Loblolly Pine Forests	*S. Little, J. J. Mohr,* and *L. L. Spicer*	27
Response of Planted Loblolly Pines to Reduction of Competition	*E. R. Ferguson*	29
Effect of Season of Treatment on Girdling and Chemical Control of Oak and Sweetgum	*R. D. Shipman*	33

February

Mergers in the Forest Products Industries	*David S. Dealey*	99
Forest Fertilizing in Britain	*L. Leyton*	104
Sequential Sampling in Reproduction Surveys	*J. H. G. Smith* and *J. W. Ker*	107
A Dwarf Form of Eastern White Pine (Pinus strobus L.)	*Henry H. Chisman* and *Nicholas Lylo*	110
Some Mensurational Aspects of the Level-of-Growing-Stock Problem in Even-Aged Stands	*George R. Staebler*	112
Some Effects of Stand Density and Deer Browsing on Reproduction in an Adirondack Hardwood Stand	*Robert O. Curtis* and *F. M. Rushmore*	116
Cone and Seed Size of South Florida Slash Pine and Their Effects on Seedling Size and Survival	*O. Gordon Langdon*	122
A Preliminary Report on Field Grafting	*James T. Greene* and *M. Reines*	127
Statistics from Schools of Forestry for 1957: Degrees Granted and Enrollments	*Gordon D. Marckworth*	129
Response of Six Conifers in North Mississippi Underplantings	*Hamlin L. Williston* and *Bernard J. Huckenpahler*	135

March

The Trend of Lumber Prices	*Joseph Zaremba*	179
A Test of Group Selection in Idaho Ponderosa Pine	*James D. Curtis* and *Alvin K. Wilson*	182
Control of the Turpentine Beetle in Naval Stores Stands by Spraying Attacked Trees with Benzene Hexachloride	*R. H. Smith*	190
Solium Arsenite in Spaced Ax Cuts: An Effective Stand-Improvement Technique	*Francis M. Rushmore*	195
Observation Limits for Aerial Sketch-Mapping Southern Pine Beetle Damage in the Southern Appalachians	*R. C. Aldrich, R. C. Heller,* and *W. F. Bailey*	200
Some Effects of Thinning a Ponderosa Pine Thicket with a Prescribed Fire	*William G. Morris* and *Edwin L. Mowat*	203
Construction of Cubic-Foot Volume Tables for Red Oak in Pennsylvania	*Thomas W. Beers* and *Samuel F. Gingrich*	210
Effect of Soil Amendments on Growth of Shortleaf Pine	*Elmer R. Roth* and *Thomas C. Evans*	215

April

John Sutter, Lumberman	*C. Raymond Clar*	259
Longleaf Pine Seed Dispersal in South Alabama	*William D. Boyer*	265

Page

Aerial Appraisal of Damage by the Spruce Budworm — *W. E. Waters, R. C. Heller,* and *J. L. Bean* — 269

Some Experiments on the Optimum Germination Conditions for Western Hemlock (Tsuga heterophylla Sarg.) — *Te May Ching* — 277

Red Ring Rot in Virginia Pine in Maryland — *R. H. Fenton* and *F. H. Berry* — 280

Results of Some Silvicultural Tests in Pole Blight Diseased White Pine Stands — *Donald P. Graham* — 284

May

Controlled Burning in Southwestern Ponderosa Pine: Results from the Blue Mountain Plots, Fort Apache Indian Reservation — *Edward M. Gaines, Harry R. Kallander* and *Joe A. Wagner* — 323

A Method of Evaluating Site Quality in Young Red Pine Plantations — *M. J. Ferree, T. D. Shearer,* and *E. L. Stone, Jr.* — 328

Five-Year Intercept as Site Index in Southern Pine Plantations — *Philip C. Wakeley* and *Jose Marrero* — 332

The Uptake of Nutrients by Western Conifers in Forest Nurseries — *C. T. Youngberg* — 337

Some Results of the Use of the Bitterlich Method of Cruising in an Even-Aged Stand of Longleaf Pine — *M. Afanasiev* — 341

Dying of Mature Eastern Hemlock in Cook Forest, Pennsylvania — *J. C. Nelson* — 344

June

Theodore Roosevelt, Forester — *Martha Meclig* — 387

Is Price Reporting for Standing Timber Feasible? — *John Zivnuska* and *Ann Shideler* — 393

Forest Fire Research Needs in the South — *Ralph M. Nelson* and *David Bruce* — 399

Rate of Spread and Intensification of Dwarfmistletoe in Young Lodgepole Pine Stands — *Frank G. Hawksworth* — 404

A 10-Year Record of Pine Seed Production on the Hitchiti Experimental Forest — *E. V. Brender* — 408

Artificial Ripening of Douglas-Fir Cones — *Roy R. Silen* — 410

The Small Oak Barkbeetle Transmits the Oak Wilt Disease — *W. D. Buchanan* — 414

Deer Browse Production from Felled Trees in the Northern Hardwood-Hemlock Forest Type — *J. H. Stoeckeler, John M. Keener,* and *R. O. Strothmann* — 416

Age of Rough (Ground Cover) Affects Shortleaf Pine Establishment and Survival — *E. R. Ferguson* — 422

Propagation of Several Species of Acer by Cuttings — *L. J. Enright* — 426

July

New Hall of North American Forests Opened at Museum of Natural History — 467

Growth of Planted Green Ash, Black Walnut, and Other Species in Relation to Observable Soil-Site Characteristics in Southeastern Iowa — *Norman J. Hansen* and *A. L. McComb* — 473

Cultivating and Fertilizing a Slash Pine Plantation: Effects on Volume and Fusiform Rust — *A. R. Gilmore* and *Knox W. Livingston* — 481

An Estimate of Capital Needed in Forestry to Meet Projected Timber Requirements for the Year 2000 — *Charles H. Stoddard* — 484

The Economy of Intensive Management of Forest Lands as It Applies to Site Preparation and Land Regeneration — *L. F. Kalmar* — 489

Better Yields Through Wider Spacing — *J. Harry G. Smith* — 492

Water Relations and Growth of Trees — *Theodore T. Kozlowski* — 498

Aspen Debarking with 2,4,5-T — *Cherng-jiann Shiue, R. M. Brown,* and *L. W. Rees* — 503

Ambrosia Beetle Infestation of Coniferous Logs on Clearcuttings in Northwestern Oregon — *Norman E. Johnson* — 508

August

Forest Products in Today's World — 547

The Use of Wood in Ships and Boats — *John G. Kuenzel* and *Harold E. Worth* — 549

Page

The U. S. Forest Products Laboratory — *J. A. Hall* — 556

TECO Takes a New Look at Wood Utilization — *Carl A. Rishell* — 561

The Institute of Paper Chemistry — *Irving H. Isenberg* — 566

Wood Preserving and Changing Markets — *R. L. Osborne* — 570

The Oregon Forest Products Research Center — *John B. Grantham* — 574

Developments, Trends, and Problems in Education and Research in Forest Utilization — *Raymond J. Hoyle* — 578

Society of American Foresters Creek List of Forestry Items in a Working Library—1958 — 586

September

Program of the Annual Meeting — 627

Points of Interest for Visiting Foresters in the Rocky Mountain Area — 632

Opportunities in Forestry — *E. F. Heacox* — 639

The Market Outlook for Lodgepole Pine — *John H. Wikstrom* — 543

Herbage Utilization on the Pine-Bunchgrass Ranges of Colorado — *W. M. Johnson* and *Elbert H. Reid* — 647

Results of Pole Blight Damage Surveys in the Western White Pine Type — *Donald P. Graham* — 652

Thinning Improves Development of Young Stands of Ponderosa Pine in the Black Hills — *Clifford A. Myers* — 656

Treatment of Douglas-Fir Seed to Reduce Loss to Rodents — *James Dick, J. M. Finnis, Lee O. Hunt, Nelson B. Kverno* — 660

What Is Unit Area Control? — *Russel K. LeBarron* — 662

The Cooperative Role of The Society of American Foresters — *Henry Clepper* — 666

October

Pales Weevil Rapidly Becoming Serious Pest of Pine Reproduction in the South — *C. F. Speers* — 723

Allowable Cut as a New Function of Growth and Diagnostic Tallies — *L. R. Grosenbaugh* — 727

A Study of Aspen-Balsam Fir Cutting Methods in Northern Wisconsin—Five-Year Results — *John H. Cooley* and *W. B. Lord* — 731

Soil Temperature During Burning Related to Postfire Seedbeds on Woodland Range — *J. R. Bentley* and *R. L. Fenner* — 737

Composite Aerial Volume Table for Southern Pines and Hardwoods — *Gene Avery* — 741

Pole Blight—How It May Influence Western White Pine Management in Light of Current Knowledge — *Charles D. Leaphart* — 746

Effects of Seedbed Conditions on Yellow-Poplar Regeneration — *Stephen G. Boyce* and *Robert E. Parry* — 751

Economics of Site Preparation and Land Regeneration in the South: Example of an Industry Concept — *George Anderson* — 754

Growth of Thinned Ponderosa Pine in Western Montana — *A. R. Stage* — 757

November

Genetic Variation Within Geographic Ecotypes of Forest Trees and Its Role in Tree Improvement — *Jonathan W. Wright, R. T. Bingham,* and *K. W. Dorman* — 803

Benefits from Hybridizing American Forest Tree Species — *John W. Duffield* and *E. Bayne Snyder* — 809

Seed Orchards—Their Concept and Management — *Bruce J. Zobel, John Barber, Claud L. Brown,* and *Thomas O. Perry* — 815

Vegetative Propagation in Forest Genetics Research and Practice — *Hans Nienstaedt, Franklin C. Cech, Francois Mergen, Wang, Chi-Wu,* and *Bratislav Zak* — 826

The Backcross Hybrid Jeffrey × (Jeffrey × Coulter) Pine — *W. J. Libby* — 840

The Value of Genetically Superior Seed — *Thomas O. Perry* and *Wang, Chi-Wu* — 843

Additional Data on Cost of Collecting Cones from a Seed Production Area — *Ray E. Goddard* — 846

West Virginia's Unusual Pine Plantation — *Harry W. Yawney* and *G. R. Trimble, Jr.* — 849

December

Page

The 58th Annual Meeting 883

Society of American Foresters Presents Two Awards at Annual Meeting 884

Widening Horizons ..... *Tom Gill* 886

Forestry Education and Research in Russia ..... *Hardy L. Shirley* 892

Effects of Sweetfern Rust on the Growth of Young Jack Pine in Northern Lower Michigan
Paul C. Guilkey, Victor J. Rudolph, and *George Sheppard* 900

Basal Area Thinning Guides for Thinning in the South ..... *Donald J. Morriss* 903

Profits from Pruning Ponderosa Pine in Relation to Pruning Diameter ..... *Grant Davis* 905

Increment Core Technique and Preventing Core Shrinkage ..... *James P. Heath* 909

Notes 36, 138, 217, 288, 348, 429, 512, 592, 651, 655, 664, 761, 852. 911

Points of View 144, 222, 292, 352, 433, 517, 596, 678, 769, 856, 914

Reviews 42, 147, 224, 294, 356, 434, 521, 597, 686, 776, 858, 916

Current Literature 45, 151, 228, 298, 359, 437, 524, 599, 694, 783, 861, 919

Society Affairs 46, 154, 230, 300, 364, 438, 525, 601, 698, 785, 862, 920

Forestry News 80, 170, 250, 310, 376, 456, 536, 613, 713, 792, 867, 957